PROJECT NUMBER : 2705
PROJECT TITLE : Tomorrow
PROJECT LEADER : R. W. Dwyer
PERIOD COVERED : July, 1991

I. DESIGNING LOW-MBR CIGARETTES

A. **Objective:** Evaluate the effects of cigarette design parameters on mass burn rates.

B. **Status:** We have evaluated the results of a wrapper study in which the chalk level, basis weight, and permeability were varied. These wrappers were used to make cigarettes in which the blend, tobacco weight, and filter design were held constant. We evaluated the effects of the wrapper variables on mass burn rates and puff counts. The results show that the MBR and puff counts are most affected by the chalk contents and permeabilities of the wrappers and are unaffected by the amount of fiber present. The results also suggest that the chalk level plays a greater role in affecting MBR and puff count than does permeability. All of the results evaluated to date were from samples containing Albacar chalk.

C. **Plans:** We are waiting for results on cigarettes made with wrappers containing Multifex chalks at various levels, and different types and levels of burn additives.

2022143203

Source: https://www.industrydocuments.ucsf.edu/docs/kfxm0000